

What Is Claimed Is:

1. A tubing configuration for use in a heat exchanger comprising:
at least two tubes, each tube having at least one channel therein for the
passage of a heat exchange fluid; and
a connecting member arranged between and connected to the two tubes, the
connecting member further comprising:
a plurality of spaced apart fins, each extending at an angle from a
surface of the connecting member; and
a plurality of spaced apart openings extending through the
connecting member, each spaced apart opening associated with one of the
respective spaced apart fins.
2. The tubing arrangement of claim 1, wherein a shape of the spaced
apart fin matches a shape of the spaced apart opening associated therewith.
3. The tubing arrangement of claim 1, wherein the at least two tubes
and the connecting member are extruded as one piece from an aluminum alloy.
4. The tubing arrangement of claim 1, wherein an inner surface of the
channel is smooth, non-smooth, or a combination thereof.

5. The tubing arrangement of claim 1, wherein the channel is divided into a number of smaller channels by one or more webs in the channel.

6. The tubing arrangement of claim 5, wherein inner surfaces of the channels are smooth, non-smooth, or a combination thereof, and surfaces of the one or more the webs are smooth, non-smooth, or a combination thereof.

7. The tubing arrangement of claim 1, wherein the connecting member is a multivoid tubing.

8. The tubing arrangement of claim 1, wherein the plurality of the spaced apart fins and openings extend along the connecting member in a longitudinal direction, a lateral direction or a combination of both directions.

9. The tubing arrangement of claim 1, wherein the fins are formed from the connecting member.

10. The tubing arrangement of claim 7, wherein the fins are formed from the multivoid tubing.

11. In a heat exchanger comprising a pair of headers interconnected by a plurality of tubing, the headers defining a plane generally perpendicular to a flow path of a gas passing over the plurality of tubing for heat exchange, the improvement comprising a plurality of the tubing configurations of claim 1, each tubing configuration interconnected between the headers in a stacked and angled relationship such that the plurality of fins of each connecting member are generally aligned along the gas flow path.

12. The heat exchanger of claim 1, wherein each connecting member is a multivoid tubing.

13. A tubing configuration for use in a heat exchanger comprising:
a pair of tubes, each tube having a channel therein for the passage of a first heat exchange fluid; and

a multivoid tubing having a number of passageways therein and being connected between the pair of tubes, the passageways adapted to receive a second heat exchange fluid.

14. The tubing arrangement of claim 13, wherein the pair of tubes and the multivoid tubing are extruded as one piece from an aluminum alloy.

15. The tubing arrangement of claim 13, wherein an inner surface of the channels and the passageways are smooth, non-smooth, or a combination thereof.

16. The tubing arrangement of claim 13, wherein each channel is divided into a number of smaller channels by one or more webs in the channel.

17. The tubing arrangement of claim 16, wherein an inner surface of each channels is smooth, non-smooth, or a combination thereof, and a surface of the one or more of the webs is smooth, non-smooth, or a combination thereof.

18. In a heat exchanger comprising a pair of headers interconnected by a plurality of tubing, the improvement comprising a plurality of the tubing configurations of claim 13 as the tubing, each tubing configuration interconnected between the headers.

19. In a method of heat exchange wherein a cooling fluid passes through tubes having heat exchange features attached thereto, the improvement comprising:

providing the tubing configuration of claim 1 as the tubes of the heat exchanger, wherein the tubing configurations are oriented so that the fin projections are aligned generally in a direction of gas flow crossing the tubing configurations; and

passing a heat exchange fluid through channels in the tubes; and

whereby, during heat exchanger operation, gas flows across the fin projections and through the openings in the connecting member for heat exchange purposes.

20. In a method of heat exchange wherein a cooling fluid passes through tubes having heat exchange features attached thereto, the improvement comprising:

providing the tubing configuration of claim 13 as the tubes of the heat exchanger;

passing a first heat exchange fluid through channels in the tubes; and

passing a second heat exchange fluid through passageways in the multivoid tubing.